

A B S T R A C T

The invention relates to a highly oriented polyolefin fibre containing polyolefin with an
5 intrinsic viscosity of at least 5 dl/g, which fibre has a tensile strength of at least 26 cN/dtex and a modulus of tension of at least 700 cN/dtex, a process for the preparation thereof and the use in ropes or anti-
10 ballistic shaped articles. The invention also relates to improved ropes and anti-ballistic shaped articles. The highly oriented polyolefin fibre according to the invention has improved properties in applications such as, in particular, anti-ballistic shaped articles since the fibre contains 0.05 - 5 wt.% of a solvent for the
15 polyolefin (relative to the total fibre weight).

BEST AVAILABLE COPY